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TRANSPORTATION PROFILE

CITY OF MODESTO

- CITY OF MODESTO TRENDS AND PLACE OF WORK
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CITY OF MODESTO TRENDS

	1980 ¹	1990 ²	% Change
Population	106,602	164,730	54.5%
Households	39,491	57,958	46.8%
Workers	45,190	68,161	50.8%
Workers/Household	1.14	1.18	2.8%

SOURCES:

¹ 1980 Census, Summary Tape File 3

² 1990 Census, Summary Tape File 3

PLACE OF WORK

Workers 16 Years and Over

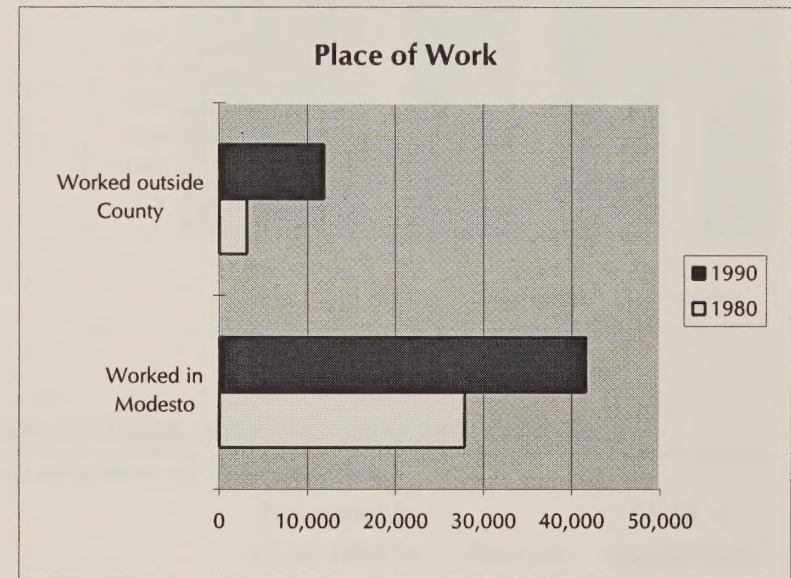
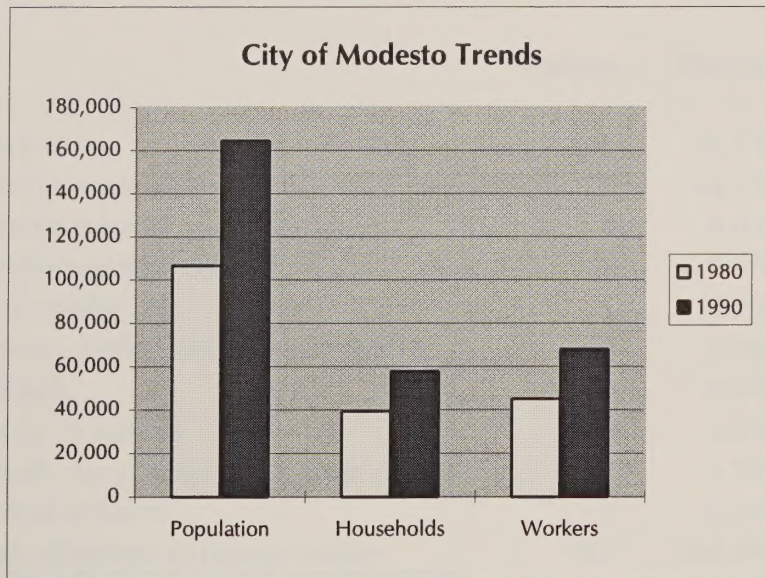
	1980		1990	
	#	%	#	%
Worked outside County	3,126 ¹	6.9%	11,850 ²	17.4%
Worked in Modesto	27,881 ¹	61.7%	41,639 ³	61.1%

SOURCES:

¹ 1980 Census, Summary Tape File 3

² 1990 Census, Summary Tape File 3

³ 1990 Census Transportation Planning Package



MOBILITY LIMITATION STATUS* BY AGE (1990)

Persons 16 Years and Over With a Mobility Limitation

	Number	Percent
16 to 20 years	90	1.4%
21 to 54 years	1789	28.4%
55 to 64 years	901	14.3%
65 years and over	3,527	55.9%
Total	6,307	100.0%

SOURCE: 1990 Census Transportation Planning Package

* Persons were identified as having a mobility limitation if they had a health condition that lasted for 6 or more months and which made it difficult to go outside the home alone.

MOBILITY LIMITATION STATUS* BY MEANS OF TRANSPORTATION (1990)

Workers 16 Years and Over With a Mobility Limitation

	Number	Percent
Drove alone	123	66.5%
2-person carpool	25	13.5%
3-person carpool	0	0.0%
4-or-more-person carpool	16	8.6%
Bus or trolley bus	5	2.7%
Streetcar, trolley, subway, elevated	0	0.0%
Railroad	0	0.0%
Bicycle or walked	4	2.2%
Taxicab, ferry, motorcycle, other means	12	6.5%
Worked at home	0	0.0%
Total, all means of transportation	185	100.0%

SOURCE: 1990 Census Transportation Planning Package

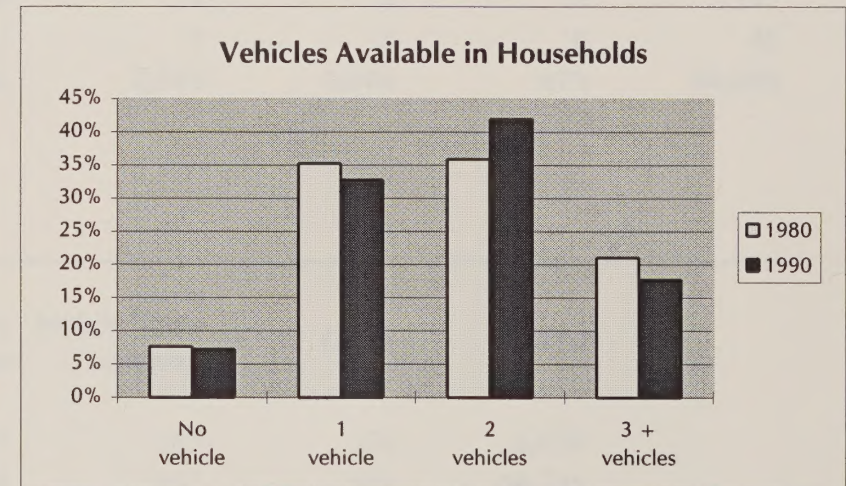
* Persons were identified as having a mobility limitation if they had a health condition that lasted for 6 or more months and which made it difficult to go outside the home alone.

VEHICLES AVAILABLE IN HOUSEHOLDS

Households

	1980		1990	
	Number	Percent	Number	Percent
No vehicle	3,040	7.7%	4,258	7.3%
1 vehicle	13,857	35.3%	18,993	32.8%
2 vehicles	14,080	35.9%	24,371	42.0%
3 or more vehicles	8,280	21.1%	10,336	17.8%
Total	39,257	100.0%	57,958	100.0%

SOURCE: 1980 and 1990 Census Summary Tape File 3



HOUSEHOLDS WITH NO VEHICLES AVAILABLE

Householders 65 Years or Older

	Households w/ no vehicles		All 65 + Households
	Households	Percent	Households
1980	1,770	27.2%	6,497
1990	2,036	18.0%	11,308

SOURCE: 1980 and 1990 Census Summary Tape File 3

VEHICLES AVAILABLE BY HOUSEHOLD INCOME (1989)

Households

	< \$10,000	\$10,000- \$29,999	\$30,000- \$49,999	\$50,000- \$74,999	\$75,000- \$99,999	\$100,000- \$149,999	\$150,000 or more	Total
No vehicles	2,397	1,341	197	74	15	6	0	4,030
1 vehicle	3,824	9,818	3,768	964	214	88	65	18,741
2 vehicles	997	6,981	9,371	4,927	1,411	660	351	24,698
3 vehicles	63	1,396	2,700	2,738	608	365	156	8,026
4 vehicles	21	117	630	669	230	182	84	1,933
5 vehicles	0	85	99	180	57	35	14	470
6 vehicles	6	25	38	48	7	4	9	137
7 or more vehicles	7	8	22	3	0	5	0	45
Total	7,315	19,771	16,825	9,603	2,542	1,345	679	58,080

SOURCE: 1990 Census Transportation Planning Package

VEHICLES AVAILABLE BY UNITS IN STRUCTURE (1990)

Households

	1 unit, detached	1 unit, attached	2 to 4 units	5 or more units	Mobile home or trailer	Other	Total
No vehicles	1,441	205	730	1,416	163	75	4,030
1 vehicle	9,328	1,381	2,884	4,098	859	191	18,741
2 vehicles	19,308	1,265	1,626	1,773	578	148	24,698
3 vehicles	7,288	258	247	146	60	27	8,026
4 vehicles	1,849	58	0	19	0	7	1,933
5 vehicles	432	26	4	0	0	8	470
6 vehicles	137	0	0	0	0	0	137
7 or more vehicles	38	0	7	0	0	0	45
Total	39,821	3,193	5,498	7,452	1,660	456	58,080

SOURCE: 1990 Census Transportation Planning Package

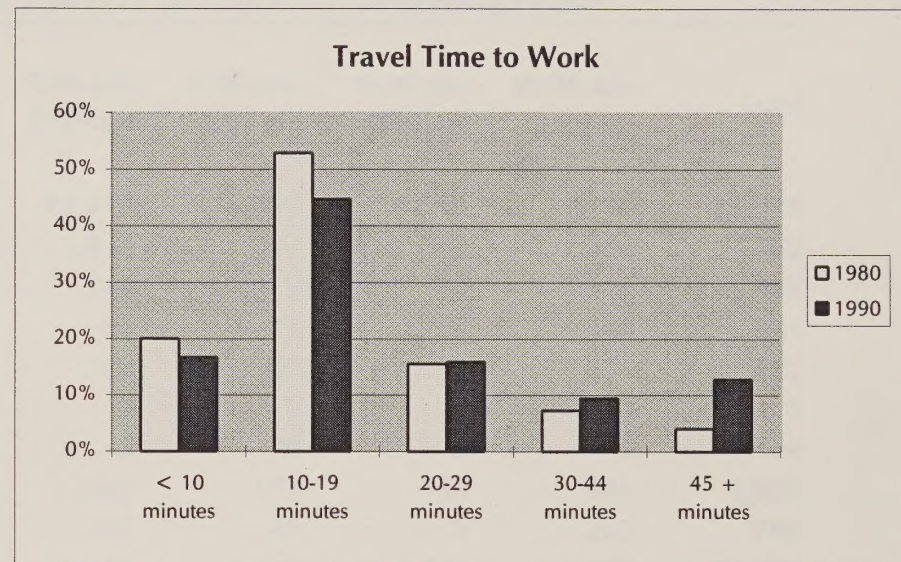
TRAVEL TIME TO WORK

Workers 16 Years and Over Who Did Not Work at Home

	1980		1990	
	Number	Percent	Number	Percent
Less than 10 minutes	9,054	20.1%	11,169	16.8%
10 to 19 minutes	23,881	52.9%	29,789	44.8%
20 to 29 minutes	7,037	15.6%	10,631	16.0%
30 to 44 minutes	3,287	7.3%	6,352	9.5%
45 or more minutes	1,866	4.1%	8,613	12.9%
Total	45,125	100.0%	66,554	100.0%

Mean Travel Time 15.8 minutes 22.0 minutes

SOURCE: 1980 and 1990 Census, Summary Tape File 3

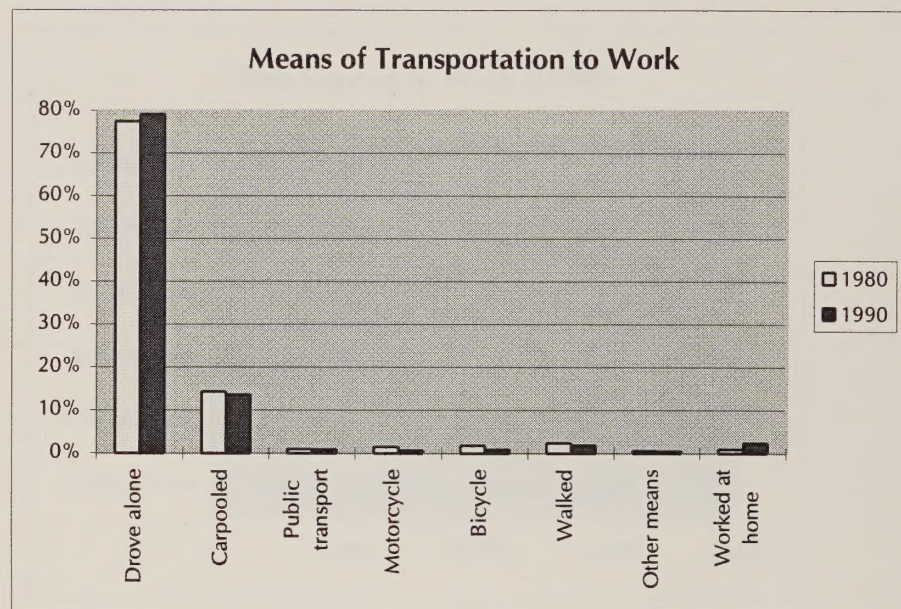


MEANS OF TRANSPORTATION TO WORK

Workers 16 Years and Over

	1980		1990	
	Number	Percent	Number	Percent
Drove alone	35,037	77.5%	53,973	79.2%
Carpooled	6,441	14.3%	9,262	13.6%
Public transportation	446	1.0%	607	0.9%
Motorcycle	678	1.5%	477	0.7%
Bicycle	806	1.8%	601	0.9%
Walked	1,074	2.4%	1,327	1.9%
Other means	254	0.6%	307	0.5%
Worked at home	454	1.0%	1,607	2.4%
Total	45,190	100.0%	68,161	100.0%

SOURCE: 1980 Census, Summary Tape File 4; 1990 Census Transportation Planning Package





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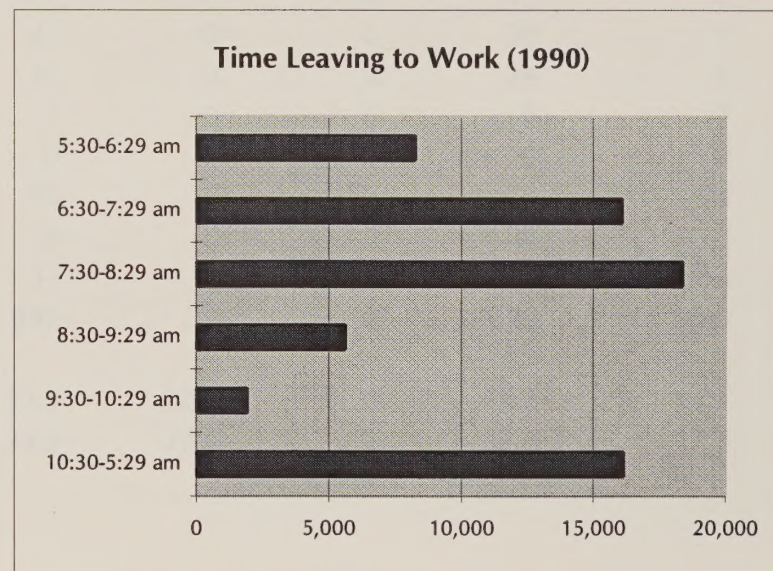
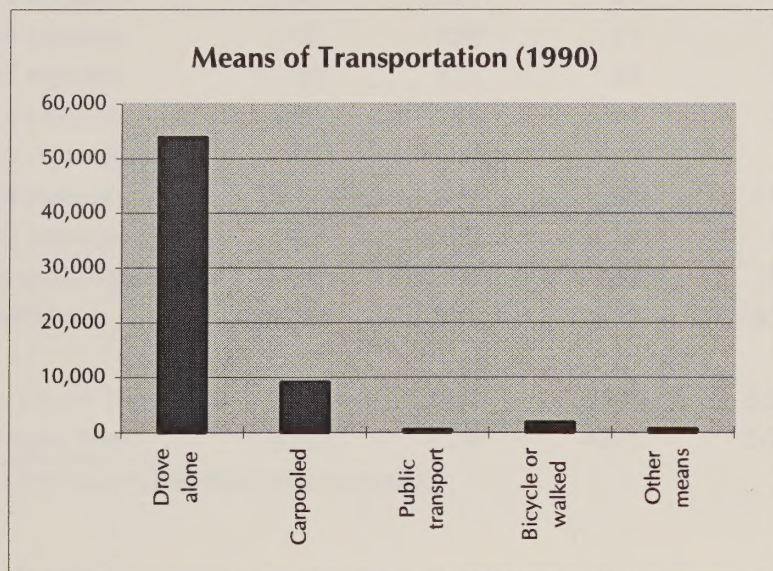
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MEANS OF TRANSPORTATION TO WORK BY TIME LEAVING FOR THE CITY OF MODESTO RESIDENTS (1990)

Workers 16 Years and Over Who Did Not Work at Home

	5:30 am- 6:29 am	6:30 am- 7:29 am	7:30 am- 8:29 am	8:30 am- 9:29 am	9:30 am- 10:29 am	10:30 am- 5:29 am	Total
Drove alone	6,343	13,170	15,917	4,897	1,540	12,106	53,973
2-person carpool	1,198	1,728	1,440	417	172	2,384	7,339
3-person carpool	251	263	143	9	13	313	992
4-or-more-person carpool	186	270	81	11	19	364	931
Bus or trolley bus	38	119	166	82	36	151	592
Streetcar, trolley, subway, elevated	0	0	3	0	0	0	3
Railroad	0	0	0	0	0	0	0
Bicycle or walked	122	284	543	177	166	636	1,928
Taxicab, ferry, motorcycle, other means	147	270	107	49	0	223	796
Total	8,285	16,104	18,400	5,642	1,946	16,177	66,554

SOURCE: 1990 Census Transportation Planning Package



MEANS OF TRANSPORTATION TO WORK BY TRAVEL TIME FOR THE CITY OF MODESTO RESIDENTS (1990)

Workers 16 Years and Over Who Did Not Work at Home

	Drove alone	2-person carpool	3-person carpool	4-or-more- person carpool	Bus or trolley bus	Streetcar, trolley, subway, elevated	Railroad	Bicycle or walked	Taxicab, ferry, motorcycle, other means	Total
Less than 5 minutes	1,395	143	3	0	0	0	0	351	61	1,953
5 to 9 minutes	7,995	591	55	66	9	0	0	377	123	9,216
10 to 14 minutes	13,057	1,142	142	41	56	0	0	372	250	15,060
15 to 19 minutes	12,624	1,259	101	44	85	0	0	413	203	14,729
20 to 24 minutes	7,306	863	88	46	40	0	0	136	35	8,514
25 to 29 minutes	1,698	234	29	43	28	3	0	76	6	2,117
30 to 34 minutes	3,327	844	76	80	164	0	0	126	39	4,656
35 to 39 minutes	555	101	15	13	34	0	0	11	6	735
40 to 44 minutes	713	134	41	14	22	0	0	30	7	961
45 to 49 minutes	1,190	326	59	36	31	0	0	24	0	1,666
50 to 54 minutes	434	165	14	23	7	0	0	0	7	650
55 to 59 minutes	112	0	0	0	0	0	0	0	0	112
60 to 74 minutes	917	279	86	164	85	0	0	4	23	1,558
75 to 89 minutes	560	252	16	81	0	0	0	8	0	917
90 minutes or more	2,090	1,006	267	280	31	0	0	0	36	3,710
All travel times	53,973	7,339	992	931	592	3	0	1,928	796	66,554
Median Travel Time	16.8	23.1	35.7	65.4	32.4	27.5	0	13.2	14.3	17.4
Mean Travel Time	20.2	33.4	45.3	56.2	33.9	25.0	0	12.8	17.7	22.4

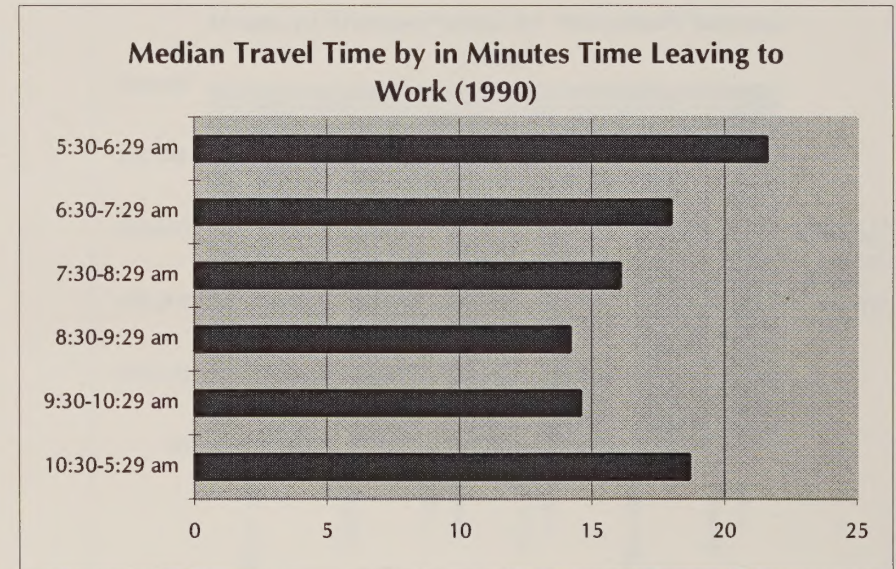
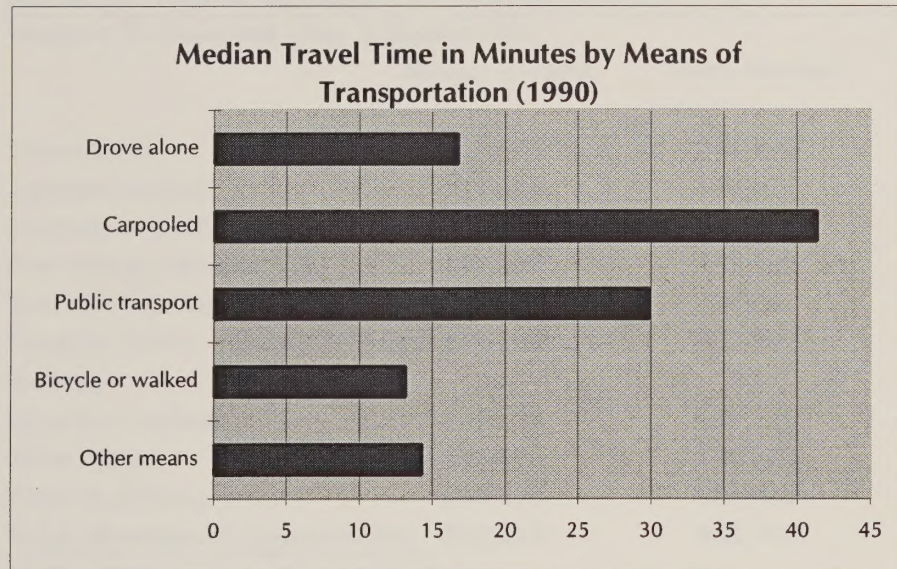
SOURCE: 1990 Census Transportation Planning Package

MEDIAN TRAVEL TIME IN MINUTES BY MEANS OF TRANSPORTATION BY TIME LEAVING HOME TO GO TO WORK (1990)

Workers 16 Years and Over Who Did Not Work at Home

	Drove alone	2-person carpool	3-person carpool	4-or-more-person carpool	Bus or trolley bus	Streetcar, trolley, subway, elevated	Railroad	Bicycle or walked	Taxicab, ferry, motorcycle, other means	Total
5:30 am to 6:29 am	19.6	34.9	63.1	70.5	34.0	0	0	19.0	16.5	21.6
6:30 am to 7:29 am	17.3	24.0	41.5	32.9	34.4	0	0	16.6	15.4	18.0
7:30 am to 8:29 am	15.9	18.3	18.5	27.7	32.7	27.5	0	11.8	13.1	16.1
8:30 am to 9:29 am	14.2	17.6	30.5	7.5	16.1	0	0	4.8	4.2	14.2
9:30 am to 10:29 am	14.4	13.7	22.5	22.5	30.0	0	0	13.3	0	14.6
10:30 am to 5:29 am	17.9	30.4	86.3	0	32.2	0	0	13.6	14.7	18.7
All departure times	16.8	23.1	35.7	65.4	32.4	27.5	0	13.2	14.3	17.4

SOURCE: 1990 Census Transportation Planning Package



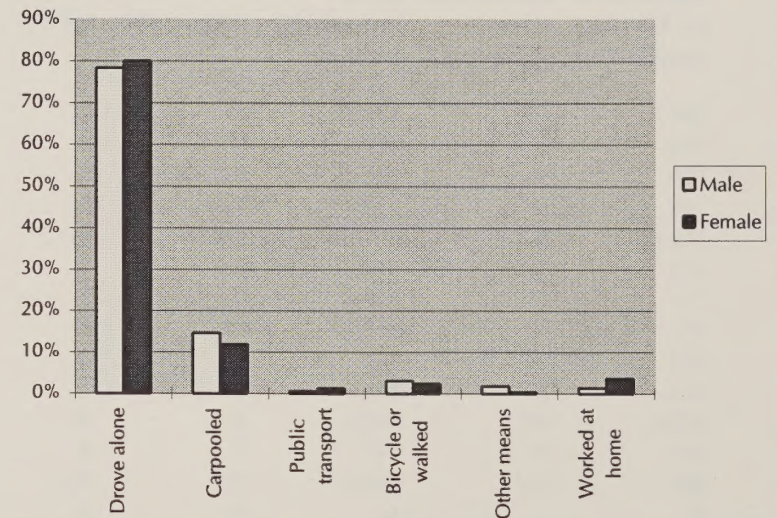
MEANS OF TRANSPORTATION TO WORK BY GENDER (1990)

Workers 16 Years and Over

	Male	Percent	Female	Percent	Total
Drove alone	30,206	78.4%	23,767	80.1%	53,973
2-person carpool	4,389	11.4%	2,950	9.9%	7,339
3-person carpool	634	1.6%	358	1.2%	992
4-or-more-person carpool	654	1.7%	277	0.9%	931
Bus or trolley bus	213	0.6%	379	1.3%	592
Streetcar, trolley, subway, elevated	0	0.0%	3	0.0%	3
Railroad	0	0.0%	0	0.0%	0
Bicycle or walked	1,203	3.1%	725	2.4%	1,928
Other means	687	1.8%	109	0.4%	796
Worked at home	521	1.4%	1,086	3.7%	1,607
Total, all means of transportation	38,507	100.0%	29,654	100.0%	68,161

SOURCE: 1990 Census Transportation Planning Package

Means of Transportation by Gender (1990)



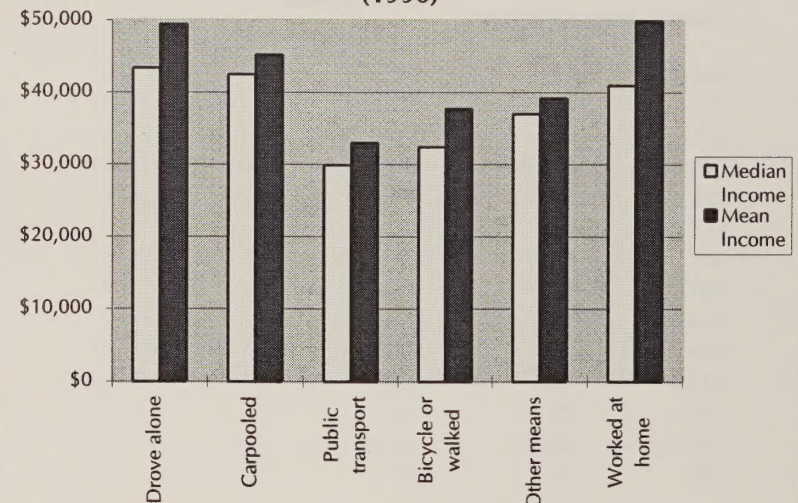
MEANS OF TRANSPORTATION BY HOUSEHOLD INCOME (1990)

Workers 16 Years and Over in Households

	Median Income	Mean Income
Drove alone	\$43,407	\$49,450
2-person carpool	\$43,584	\$46,632
3-person carpool	\$43,242	\$46,061
4-or-more-person carpool	\$40,692	\$42,992
Bus or trolley bus	\$28,621	\$34,041
Streetcar, trolley, subway, elevated	\$31,250	\$32,000
Railroad	\$0	\$0
Bicycle or walked	\$32,429	\$37,748
Other means	\$37,022	\$39,220
Worked at home	\$40,966	\$49,948
Total, all means of transportation	\$42,914	\$48,442

SOURCE: 1990 Census Transportation Planning Package

Means of Transportation by Household Income (1990)



RESIDENCE LOCATION AND MEANS OF TRANSPORTATION TO WORK FOR PERSONS WORKING IN THE CITY OF MODESTO (1990)

Workers Who Did Not Work at Home

Residence	Drove alone	Carpooled	Public transportation	Motorcycle	Bicycle	Walked	Other means	Total vehicles used in travel	Total vehicles used in carpooling	Total workers who did not work at home
Ceres city	3,420	526	24	41	9	24	18	3,661	241	4,062
Escalon city	426	37	11	0	0	0	0	440	14	474
Hughson city	344	57	0	0	0	0	0	369	25	401
Manteca city	468	98	0	10	0	8	7	514	46	591
Modesto city	33,737	3,702	505	264	497	1,163	164	35,472	1,735	40,032
Oakdale city	882	82	0	0	5	0	5	922	40	974
Ripon city	457	35	0	0	0	0	0	475	18	492
Riverbank city	1,091	108	33	8	0	0	19	1,142	51	1,259
Salida CDP	489	46	0	0	0	0	0	512	23	535
Stockton city	346	71	0	0	0	0	8	374	28	425
Turlock city	2,562	435	23	8	0	20	6	2,766	204	3,054
Waterford city	399	36	0	7	0	6	0	414	15	448
Remainder of California	12,450	1,845	102	83	95	133	72	13,288	838	14,780
Outside California	31	2	0	0	7	0	0	32	1	40

SOURCE: 1990 Census Transportation Planning Package

WORKPLACE LOCATION AND MEANS OF TRANSPORTATION TO WORK FOR PERSONS LIVING IN THE CITY OF MODESTO (1990)

Workers Who Did Not Work at Home

Workplace	Drove alone	Carpooled	Public transportation	Motorcycle	Bicycle	Walked	Other means	Total vehicles used in travel	Total vehicles used in carpooling	Total workers who did not work at home
Ceres city	1,694	203	18	16	11	0	6	1,789	95	1,948
Fremont city	212	143	0	0	0	0	0	278	66	355
Manteca city	616	110	0	0	0	0	0	671	55	726
Modesto city	33,737	3,702	505	264	497	1,163	164	35,472	1,735	40,032
Oakdale city	713	123	13	0	0	6	8	769	56	863
Patterson city	256	106	0	0	0	0	0	307	51	362
Riverbank city	682	35	11	0	0	0	12	700	18	740
Salida CDP	413	51	0	0	4	0	0	437	24	468
San Jose city	420	238	0	0	0	0	0	527	107	658
Santa Clara city	164	248	0	0	0	0	12	270	106	424
Stockton city	1,241	269	0	0	0	0	0	1,358	117	1,510
Turlock city	854	139	0	0	0	0	0	924	70	993
Remainder of California	12,938	3,882	60	197	77	125	93	14,622	1,684	17,372
Outside California	33	13	0	0	12	33	12	39	6	103

SOURCE: 1990 Census Transportation Planning Package

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